

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application and which are annexed to the International Preliminary Examination Report:

1. (currently amended) A transition between a waveguide and a microstrip line, ~~characterized in that it consists~~ consisting of a bar (20) of synthetic material comprising a first part ~~in which the~~ with metallized lateral faces are metallized to form a waveguide (G) and a second part continuing the first part and forming a substrate for a microstrip line, said bar presenting, between the waveguide forming part and the substrate forming part, a shoulder (3) defining an upper plane (4) of the waveguide forming part and an upper plane (5) of the substrate forming part, and comprising between the two upper planes a rib (6) having a metallized base and walls, the metallization of the base continuing by the microstrip line (7) realized on the substrate, the base (8) common to the first and second parts being fully metallized.

2. (currently amended) The transition according to claim 1, ~~in which~~ wherein the base of the rib (6) has a linear profile.

3.(currently amended) The transition according to ~~claims 1 or 2, in which~~ claim 1, wherein the second substrate forming part has a thickness that varies in a direction continuing the first part to modify the width of the microstrip line (7) by maintaining its characteristic impedance quasi-constant.

4. (currently amended) The transition according to one of ~~claims 1 to 3,~~ in which ~~claim 1, wherein~~ the synthetic material is a dielectric foam.

5. (currently amended) The transition according to claim 4, ~~in which~~ wherein the foam is a polymethacrylate imide foam.